

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	werner near aigner.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:29
S2	35	joerg near beringer.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:30
S3	41	stefan near mueller.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:30
S4	13	shai near agassi.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:31
S5	74	dennis near moore.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:31
S6	1	juergen near hagedorn.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:31
S7	6	udo near waibel.in.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:33
S8	230	"sap aktiengesellschaft".as.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:34
S10	0	S8 and (framework and servic\$4 and application).clm.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:34
S11	0	S8 and (framework and servic\$4). clm.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:34
S12	6	S8 and (framework).clm.	US-PGPUB; USPAT	OR	ON	2007/01/25 15:34
S13	90	("6106569" "4815029" "4829470" "6314089" "6574736" "6732109" "20030028540" "20030101291" "20040187140" "6031532" "4376151" "4523057" "4759816" "5536546" "5917475" "6196719" "6220755" "6224260" "6220755" "6224260" "6317700" "7107285" "20020029250" "20030040920" "20040117358" "20050097561" "20050144226" "6038587" "6226792" "6226792" "5857100" "5872971" "6134594" "5367573" "5455903" "5577251" "5745901" "5787438" "5787251" "5799309" "5829006" "5850544" "5854750" "6006230" "6052525" "6061708" "6061708" "6078325" "6085223" "6161148").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 16:44

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S14	2470	717/101-109.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 16:54
S15	584	S14 and framework and (user adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 16:54
S16	250	S15 and enterprise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 16:54
S17	53	S16 and (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 16:55
S18	9	("5729253" "5729747" "5787438" "5860005" "5864821" "6067548" "6125391" "6199195" "6226675").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 17:05
S19	1302	composite adj application	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:34
S20	30	S19 and (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:37
S21	116	S19 and (user adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:37

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S22	44	S21 and (@pd<"20030321" or @ad<"20030321" or @prad<"20030321" or @rlad<"20030321")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:38
S23	1220	database with (data near synchroniz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:27
S24	16	(US-20030040920-\$ or US-20030221184-\$ or US-20020108099-\$).did. or (US-6134594-\$ or US-7076762-\$ or US-6789252-\$ or US-6782536-\$ or US-6662355-\$ or US-6167563-\$ or US-6134706-\$ or US-5860005-\$ or US-6990636-\$ or US-6349404-\$ or US-5845289-\$ or US-6067548-\$ or US-5864821-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/29 13:25
S25	14	S24 and database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:25
S29	414	database with (data adj synchronization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:27
S30	51	S29 and (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:28
S31	31	S30 and (@pd<"20030321" or @ad<"20030321" or @prad<"20030321" or @rlad<"20030321")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:54

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S32	55	(prox\$4 and table) with (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:54
S33	52	S32 and (@pd<"20030321" or @ad<"20030321" or @prad<"20030321" or @rlad<"20030321")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:57
S34	30	(proxy adj object) near3 table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:59
S35	24	S34 and (@pd<"20030321" or @ad<"20030321" or @prad<"20030321" or @rlad<"20030321")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:57
S36	3	S24 and proxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:58
S37	17	(proxy adj object) same (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:59
S38	359	(generat\$4 or creat\$4 or implement\$4 or deploy\$4) with table with proxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:15
S39	4	S38 and (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:11

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S40	160	S38 and database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:12
S41	128	S40 and object	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:12
S43	2149	(generat\$4 or creat\$4 or implement\$4 or deploy\$4) with (table and proxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:16
S44	131	S43 and (business adj object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:16



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Relevance scale ☐ ☐ ☐ ☐ ☐**1** Enabling WCET-based composition of service-based real-time applications
 Iria Estévez-Ayres, Marisol García-Valls, Pablo Basanta-Val
 July 2005 **ACM SIGBED Review**, Volume 2 Issue 3

Publisher: ACM Press

Full text available: pdf(101.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents an approach towards a framework that enables the composition of real-time applications from existing ubiquitous services. This framework allows to announce services (specifying their QoS requirements in terms of real-time parameters, such as Worst Case Execution Time, WCET), to discover services that perform a certain functionality, and to select the set of those discovered services that will be part of the application to be created. Such service set selection is based on the ...

2 Direct manipulation of temporal structures in a multimedia application framework
 P. Ackermann
 October 1994 **Proceedings of the second ACM international conference on Multimedia MULTIMEDIA '94**

Publisher: ACM Press

Full text available: pdf(883.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of complex multimedia documents presents new challenges to authoring systems, because spatial and temporal features should be visualized and made accessible in an intuitive and direct-manipulative way. In this study, multimedia presentations are considered as hierarchical compositions of time objects that define serial or parallel synchronization of the inserted media objects. Media composition hierarchies support automatic temporal layout mechanisms. They are integrated into an ...

3 Distributed objects research, experiences and applications: Composite component support for EJB
 Steffen Goebel, Michael Nestler
 January 2004 **Proceedings of the winter international symposium on Information and communication technologies WISICT '04**

Publisher: Trinity College Dublin

Full text available: pdf(152.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Component frameworks and component middleware like Enterprise JavaBeans (EJB) have been established successfully in the last few years. However, composite components are not yet a part of these platforms. They increase reuse of software and can be used to encapsulate run-time adaptation. We present a composite component framework developed as an extension of EJB 2.0. We describe general design objectives for composite components and required rules for the visibility of components. The

necessary ...

4 Composition frameworks: Transparent end-host-based service composition through network virtualization



Stefan Götz, Klaus Wehrle

November 2005 **Proceedings of the first ACM international workshop on Multimedia service composition MSC '05**

Publisher: ACM Press

Full text available: pdf(128.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Mobile devices have become a popular medium for delivering multimedia services to end users. A large variety of solutions have been proposed to flexibly compose such services and to provide quality-of-service guarantees for the resulting contents. However, low-level mobility artifacts resulting from network transitions (disconnected operation, reconfiguration, etc.) still prevent a seamless user experience of these technologies. This paper presents an architecture for supporting legacy applicati ...

Keywords: legacy support, mobility, multimedia, service composition

5 A multimedia component kit: experiences with visual composition of applications



Vicki de Mey, Simon Gibbs

September 1993 **Proceedings of the first ACM international conference on Multimedia MULTIMEDIA '93**

Publisher: ACM Press

Full text available: pdf(87.59 KB) ps(303.61 KB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

Keywords: active objects, component-oriented software development, multimedia, visual composition

6 Systems and interfaces: A real-time multimedia composition layer



Stefan Müller, Simon Schubiger-Banz, Matthias Specht

October 2006 **Proceedings of the 1st ACM workshop on Audio and music computing multimedia AMCM '06**

Publisher: ACM Press

Full text available: pdf(2.00 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We introduce a light-weight multimedia composition layer which is situated on top of existing music, sound, and graphics frameworks and libraries. The layer provides applications with a programming interface for multimedia composition, automating real-time media processing and synchronisation. Our work facilitates the mapping of media frameworks to a unified processing graph. We present a graph segmentation algorithm that solves the problem of communication between threads of multiple frameworks ...

Keywords: cross-media processing, multimedia composition, multimedia frameworks and libraries, real-time multimedia

7 Develop once deploy anywhere achieving adaptivity with a runtime linker/loader framework



Joy Mukherjee, Srinidhi Varadarajan

November 2005 **Proceedings of the 4th workshop on Reflective and adaptive middleware systems ARM '05**

Publisher: ACM Press

Full text available: pdf(267.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents Load and Let Link -- a framework for flexible runtime loading and


linking of procedural native code components. LLL has several novel aspects. First, it provides componentization without requiring an object-oriented language. Second, LLL performs linking at runtime, providing arbitrary code expansion, contraction and substitution. This enables (a) adaptive applications that can rewire themselves in response to dynamic conditions, (b) code patching for mission critical systems ...

Keywords: adaptive applications, composition, runtime linking and loading, software component architectures

8 A generative approach to framework instantiation


Vaclav Cechticky, Philippe Chevalley, Alessandro Pasetti, Walter Schaufelberger
September 2003 **Proceedings of the 2nd international conference on Generative programming and component engineering GPCE '03**

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(470.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

This paper describes the <i>OBS Instantiation Environment</i>, which demonstrates a generative approach to automating the instantiation process of a component-based framework. The process is automated in the sense that designers configure and assemble the framework components using intuitive visual operations in a GUI-based environment. Their configuration actions are then used to automatically generate the framework instantiation code. Generative techniques for framework instant ...

9 Adaptive application-specific middleware

 Alan Colman, Linh Duy Pham, Jun Han, Jean-Guy Schneider
November 2006 **Proceedings of the 1st workshop on Middleware for Service Oriented Computing (MW4SOC 2006) MW4SOC '06**

Publisher: ACM Press

Full text available:  pdf(322.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The open/dynamic environment of Service-Oriented Computing requires middleware that can cope with services that are heterogeneous, and possibly unknown, unreliable or untrusted. Service-oriented middleware also needs to support both, ad-hoc and long-lived relationships between such services, and provide mechanisms for service coordination and cooperation. This needs to be achieved in a rapidly changing technical context with standards that are continually changing and evolving. This paper introd ...

Keywords: ROAD, adaptive middleware, service-oriented computing

10 Web services: composition, integration and interoperability: Composition of coordinated web services

Stefan Tai, Rania Khalaf, Thomas Mikalsen
October 2004 **Proceedings of the 5th ACM/IFIP/USENIX international conference on Middleware Middleware '04**

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(255.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The Web services architecture defines separate specifications for the composition and the coordination of Web services. BPEL is a language for creating service compositions in the form of business processes, whereas the WS-Coordination framework defines coordination protocols for distributed activities. In this paper, we investigate the combination of these two aspects to compose coordinated Web services. We argue for a policy-based approach to address this problem and introduce a new model and ...


11 Object oriented reuse: experience in developing a framework for speech recognition applications

Savitha Srinivasan, John Vergo
April 1998 **Proceedings of the 20th international conference on Software engineering**

ICSE '98

Publisher: IEEE Computer Society

Full text available:  [pdf\(997.12 KB\)](#)

 [Publisher Site](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Keynote: Towards building large scale multimedia systems and applications:

challenges and status

Klara Nahrstedt, Wolf-Tilo Balke

November 2005 **Proceedings of the first ACM international workshop on Multimedia service composition MSC '05**

Publisher: ACM Press

Full text available:  [pdf\(96.61 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper is a position statement of the co-chairs for the First Workshop on Multimedia Service Composition on specific challenges in the area of multimedia service composition. The goal is to present and discuss problems that occur when considering building large scale multimedia systems via service composition. Today the realization of multimedia systems still heavily relies on building monolithic systems. Hence, building complex large scale multimedia systems is always a difficult, costly, t ...

Keywords: multimedia service composition, service-oriented architectures

13 Student research competition: A framework for removing redundant context

management services in enterprise javaBeans application servers

Mircea Trofin

October 2004 **Companion to the 19th annual ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications OOPSLA '04**

Publisher: ACM Press

Full text available:  [pdf\(140.95 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a framework for removing redundant context management services in contextual composition frameworks, with focus on Enterprise JavaBeans. It is expected that by applying our framework, performance can be improved without the loss of modularity.

Keywords: COTS, EJB, adaptation, optimization


14 Doctoral symposium: A framework for removing redundant context management

services in enterprise javaBeans application servers

Mircea Trofin

October 2004 **Companion to the 19th annual ACM SIGPLAN conference on Object-oriented programming systems, languages, and applications OOPSLA '04**

Publisher: ACM Press

Full text available:  [pdf\(140.95 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a framework for removing redundant context management services in contextual composition frameworks, with focus on Enterprise JavaBeans. It is expected that by applying our framework, performance can be improved without the loss of modularity.

Keywords: COTS, EJB, adaptation, optimization

15 Components: A component-based application framework for manufacturing execution systems in C# and .NET

Reinhard Füricht, Herbert Prähofer, Thomas Hofinger, Josef Altmann

February 2002 **Proceedings of the Fortieth International Conference on Tools Pacific: Objects for internet, mobile and embedded applications CRPIT '02**

Publisher: Australian Computer Society, Inc.

Full text available:  pdf(1.12 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper describes the design and realization of a component-based application framework to develop Manufacturing Execution Systems (MES). Manufacturing Execution Systems (MES) are a recently defined category of industrial software for the plant floor/manufacturing environment. The overall goal has been to enable the development of MES software systems by composition and extensions of prefabricated building blocks. The framework-based development of MES applications guarantees significant redu ...

Keywords: .NET framework, C# language, application frameworks, component-based software development, manufacturing execution systems, workflow modelling

16 Framework description using concern-specific design patterns composition


 António Rito Silva, Francisco Assis Rosa, Teresa Gonçalves
March 2000 **ACM Computing Surveys (CSUR)**

Publisher: ACM Press

Full text available:  pdf(154.48 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: object-oriented composition, object-oriented design patterns, object-oriented frameworks

17 Compile-time composition of run-time data and iteration reorderings

 Michelle Mills Strout, Larry Carter, Jeanne Ferrante

May 2003 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation PLDI '03**, Volume 38
Issue 5


Publisher: ACM Press

Full text available:  pdf(208.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many important applications, such as those using sparse data structures, have memory reference patterns that are unknown at compile-time. Prior work has developed run-time reorderings of data and computation that enhance locality in such applications. This paper presents a compile-time framework that allows the explicit composition of run-time data and iteration-reordering transformations. Our framework builds on the iteration-reordering framework of Kelly and Pugh to represent the effects of a g ...

Keywords: data remapping, inspector/executor, iteration reordering, optimization, run-time transformations, sparse tiling

18 Object-oriented framework-based software development: problems and experiences

 Jan Bosch, Peter Molin, Michael Mattsson, PerOlof Bengtsson
March 2000 **ACM Computing Surveys (CSUR)**

Publisher: ACM Press

Full text available:  pdf(166.26 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: object-oriented frameworks, software reuse

19 Introduction to the computing surveys' electronic symposium on object-oriented application frameworks



Mohamed E. Fayad

March 2000 **ACM Computing Surveys (CSUR)**

Publisher: ACM Press

Full text available: pdf(75.76 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



20 Pavilion: a middleware framework for collaborative Web-based applications



P. K. McKinley, A. M. Malenfant, J. M. Arango

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work GROUP '99**

Publisher: ACM Press

Full text available: pdf(1.92 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



This paper describes Pavilion, an object-oriented middleware framework for developing collaborative web-based applications. Pavilion enables a developer to construct new applications by inheriting and extending its default functionality. Reusable and extensible Pavilion components include interfaces to common web browsers, a reliable multicast protocol tailored for delivery of web resources, a leadership protocol for floor control, and a highly modular proxy server that supports data type-s ...

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